ABSTRACT

This specification discloses a satellite transmission system for transmission of TCP/IP compatible packets from a head end computer through a satellite uplink, an extraterrestrial satellite, a satellite downlink, and an integrated satellite receiver/router for outputting of the TCP/IP compatible packets through a port on the receiver/router onto a computer LAN or WAN. The system may include an Internet or telecommunications backchannel. The receiver becomes router enabled by means of a removable insertion Ethernet/Router insertion card inserted into a slot in the receiver, although the transmission system may be used to simultaneously transmit a variety of other services through the receiver by use of other service slots in the receiver. The Ethernet/Receiver supports the IGMPv2 Multicasting (querier and non querier modes), standard TCP/IP (including UDP and Telnet), and SNMP protocols.

APPENDIX A